Get a list of players names and shirt numbers that play on the team with id = 1 import java.sql.\*;

```
public class SoccerDatabase {
 Codeium: Refactor Explain Docstring
   public static void main(String[] args) {
       String url = "jdbc:mysql://localhost:3306/soccer";
       String user = "root";
       String password = "";
       try (Connection connection = DriverManager.getConnection(url, user,
               password);
           Statement statement = connection.createStatement()) {
           String query = "SELECT firstName, lastName, shirtNumber FROM PLAYER WHERE teamId = 1;";
           ResultSet resultSet = statement.executeQuery(query);
           while (resultSet.next()) {
               System.out.println(resultSet.getString(columnLabek "firstName") + " " +
                        resultSet.getString( columnlabel: "lastName") + " - Shirt Number: " +
                        resultSet.getInt( columnLabel: "shirtNumber"));
        } catch (SQLException e) {
           e.printStackTrace();
```

2. Get a list of players names and shirt numbers that play on the team named "Arsenal" and display them in alphabetic order based on players last name.

```
String query = "SELECT firstName, lastName, shirtNumber FROM PLAYER " +
    "JOIN TEAM ON PLAYER.teamId = TEAM.teamId " +
    "WHERE TEAM.name = 'Arsenal' ORDER BY PLAYER.lastName ASC;";
```

3. Get a list of players names and shirt numbers that play on the team named "Arsenal" and display them in numeric order based on players shirt number

4. Update a players team to be any team you would like. ex. update player with player id =5 to be on team "Aston Villa"

5. Add a new team to the database. You may research a real team or make up your own. Form statements to add 3 new players to the new team.

```
String insertTeamQuery = "INSERT INTO TEAM (name, stadium, city) VALUES ('Thunderbrook United', 'Thunder Dome', 'Stormhill');";

// execute statement with this query

no usages

String insertPlayersQuery = "INSERT INTO PLAYER (teamId, firstName, lastName, dob, startYear, shirtNumber) " +

"VALUES ((SELECT teamId FROM TEAM WHERE name = 'Thunderbrook United'), 'Player1_First', 'Player1_Last', '1997-05-12', 2021, 14), " +

"((SELECT teamId FROM TEAM WHERE name = 'Thunderbrook United'), 'Player2_First', 'Player2_Last', '1994-06-16', 2020, 19), " +

"((SELECT teamId FROM TEAM WHERE name = 'Thunderbrook United'), 'Player3_First', 'Player3_Last', '1996-12-15', 2022, 5);";

// execute statement with this query
```

6. Write a program that asks the user using keyboard or command line arguments to enter the name of a team that they want the players for.

7. Write a Java class that captures the nature of a player. Write a method to create a list or array of player objects where each object has been populated with data from the database. Write a method to return all the players that have shirt number x, where x is a parameter.

```
public void main(String[] args) {
   List<Player> players = getPlayersByShirtNumber(10);
    for (Player player: players) {
       System.out.println(player);
public class Player {
   private String firstName;
   private String lastName;
   private int shirtNumber;
   public Player(String firstName, String lastName, int shirtNumber) {
       this.firstName = firstName;
       this.lastName = lastName;
       this.shirtNumber = shirtNumber;
   public String getFirstName() {
       return firstName;
    public String getLastName() {
       return lastName;
   public int getShirtNumber() {
       return shirtNumber;
```